



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090437

Mode: Highway

Status: Submitted

NC-150

From/Cross Street: SR 1516 (Airport Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: West of Grants Creek

Project Category: Regional Impact

Length: 3.17

TIP#: U-3623

Fully Funded in Draft STIP? No

Cost to NCDOT: \$38,787,000

Description:

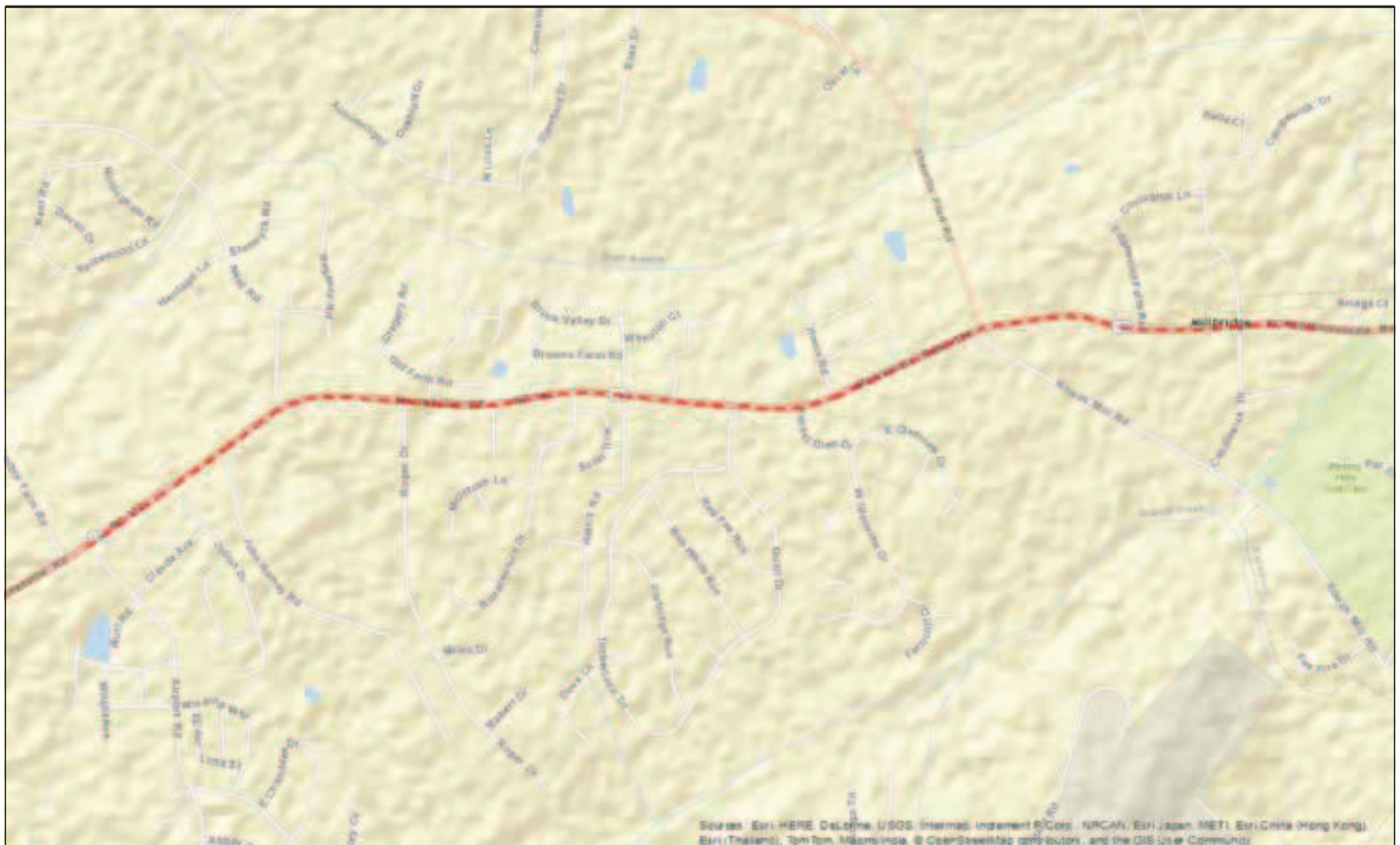
NC 150, SR 1516 (Airport Road) to West of Grants Creek. Widen to Multi-Lanes.

Division(s): Division 9

County(s): ROWAN

MPOS(s)/RPO(s): Cabarrus Rowan MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 53.59

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 46.06	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 82.70		
[Travel Time] Benefit/Cost (25%) 2.71		
Accessibility / Connectivity (10%) 31.26		
Totals: Weight: 70% Weighted Score: 23.59		

Division Needs Total Score: 43.02

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 46.06	Percent: 25% Points: 0	Percent: 25% Points: 100
Safety (10%) 82.70		
[Travel Time] Benefit/Cost (20%) 2.71		
Totals: Weight: 50% Weighted Score: 18.02		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	3.17
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	10973.79
Capacity:	15799.59
Volume/Capacity Ratio:	0.69
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.81
Crash Severity:	63.66
Critical Crash Rate:	84.66
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	96
Actual Congested Speed:	45.4
Travel Time Index:	1.19

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	3.17
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	4775248.79
Travel Time Savings for 30 Years (Autos):	4775248.79
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 9	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cabarrus Rowan MPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$14,934,000	TIP Unit
Right-of-Way Cost:	\$21,297,000	Cost Estimation Tool
Utilities Cost:	\$2,556,000	Cost Estimation Tool
Total Project Cost:	\$38,787,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$38,787,000	